

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE	PAGE OF PAGES 1 2	
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2. AMENDMENT/MODIFICATION NO. <b>70</b>	3. EFFECTIVE DATE See Block 16C	REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)
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6. ISSUED BY CODE John F. Kennedy Space Center, NASA Procurement Office -OP-OS - ODIN Kennedy Space Center, FL 32899	7. ADMINISTERED BY (If other than Item 6) CODE
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8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code)  OAO Corporation 7375 Executive Place Seabrook, MD 20706	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
		10A. MODIFICATION OF CONTRACT/ORDER NO. <b>NAS5-98144/NNK05OA14D</b>
		10B. DATED (SEE ITEM 13) December 1, 2004

CODE	FACILITY CODE
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11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended, ☐ found. Is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning \_\_\_\_\_ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

No Change

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS; IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
XX	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: <b>FAR CLAUSE 52.212-4 CONTRACT TERMS AND CONDITIONS - COMMERCIAL ITEMS, (C) CHANGES</b>
	D. OTHER (Specify type of modification and authority)

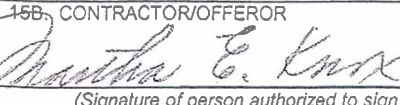

E. IMPORTANT: Contractor ☒ found. Is not, ☐ is required to sign this document and return \_\_\_\_\_ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

## KENNEDY SPACE CENTER - ODIN SERVICES

Subject: Incorporate Sun UNIX Systems

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print) Martha E. Knox Contracts Manager	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Gloria Marsh Contracting Officer		
15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)	15C. DATE SIGNED 7/13/06	16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)	16C. DATE SIGNED 7/14/06

1. The purpose of this modification is to incorporate Sun UNIX Systems, as indicated below into this delivery order. The waiver request is approved for the Sun UNIX System, as submitted in OAO letter dated June 7, 2006, for the remainder of Quarter 30.
2. The listing of accepted seat certifications is hereby incorporated into Attachment K of the Delivery Order. Page K-2 reflects Quarter 30 (June 2006) in lieu of Quarter 29 (January 2006).
3. The following UNIX seat configurations are hereby accepted and incorporated into Attachment K of the Delivery Order.

Quarter	Seat	Platform	System Configuration	Date Alterion Certified
Q30 (Jan 2006)*	SE1 - Entry Level (Sun)	UNIX-Desktop	Sun Ultra 45, 1.6 GHz	N/A
Q30 (Jan 2006)*	SE2 - Mid Range (Sun)	UNIX-Desktop	Sun Ultra 45, 1.6 GHz	N/A
Q30 (Jan 2006)*	SE3 - High End (Sun)	UNIX-Desktop	Sun Ultra 45, 1.6 GHz	N/A

\* Approval is granted for the waiver request submitted by OAO letter dated June 7, 2006 for Sun UNIX Systems.

4. Copies of the certifications for Sun UNIX System seats are attached (3 pages).
5. All other terms and conditions of the Delivery Order remain unchanged and in full force and effect.

**ATTACHMENT K – LISTING OF ACCEPTED SEAT CERTIFICATIONS (Con't)**

Quarter	Seat	Platform	System Configuration	Date Certified	Rating
Q28 (Oct 2005)	GP3 – High End	PC-Laptop	HP Latitude NC8230, 2.0 GHz	Oct 4, 2005	94.8%
Q28 (Oct 2005)	GP3 – Lightweight	PC-Laptop	HP Latitude NC4200, 1.86 GHz	Oct 4, 2005	93.8%
Q28 (Oct 2005)	GP3 – Tablet*	PC-Laptop	HP TC4200, 1.86 GHz	Oct 4, 2005	87.2%
Q28 (Oct 2005)	GP3 – Tablet*	PC-Laptop	HP TC1100, 1.2 GHz	Oct 4, 2005	74.5%
Q28 (Oct 2005)	GP1 - Entry	MAC-Desktop	Apple iMac G5, 1.8 GHz	Oct 4, 2005	88.2%
Q28 (Oct 2005)	GP2 - Mid Range	MAC-Desktop	Apple iMac G5, 2.0 GHz	Oct 4, 2005	90.8%
Q28 (Oct 2005)	SE1/SE2 - High End	MAC-Desktop	Apple PowerMac G5, 2.0 GHz	Oct 4, 2005	100%
Q28 (Oct 2005)	SE2 – Premium	MAC-Desktop	Apple PowerBook G5 Dual, 2.7 GHz	Oct 4, 2005	100%
Q28 (Oct 2005)	GP3 - Mid Range	MAC-Laptop	Apple PowerBook G4, 1.67 GHz	Oct 4, 2005	100%
Q29 (Jan 2006)	GP1 - Entry	PC-Desktop	HP DC7600, P4, 2.8 GHz	Jan 9, 2006	74%
Q29 (Jan 2006)	GP2 - Mid Range	PC-Desktop	HP DC7600, P4, 3.0 GHz	Jan 9, 2006	77.8%
Q29 (Jan 2006)	SE1/SE2 High End	PC-Desktop	HP DC7600, P4, 3.4 GHz	Jan 9, 2006	87.4%
Q29 (Jan 2006)	SE2 - Premium	PC-Desktop	HP XW6200, P4, 3.4 GHz	Jan 9, 2006	94.5%
Q29 (Jan 2006)	GP3 – Entry	PC-Laptop	HP NC6230, 1.73 GHz	Jan 9, 2006	78.3%
Q29 (Jan 2006)	GP3 - Mid Range	PC-Laptop	HP NC8230, 1.86 GHz	Jan 9, 2006	88.1%
Q29 (Jan 2006)	GP3 – High End	PC-Laptop	HP NC8230, 2.0 GHz	Jan 9, 2006	92.3%
Q29 (Jan 2006)	GP3 – Lightweight	PC-Laptop	HP NC4200, 1.86 GHz	Jan 9, 2006	88.4%
Q29 (Jan 2006)	GP3 – Tablet	PC-Laptop	HP TC4200, 2.0GHz*	Jan 9, 2006	86.5%
Q29 (Jan 2006)	GP3 – Tablet	PC-Laptop	HP TC1100, 1.2 GHz*	Jan 9, 2006	70.2%
Q29 (Jan 2006)	GP1 - Entry	MAC-Desktop	Apple iMac G5, 1.9 GHz	Jan 9, 2006	68.5%
Q29 (Jan 2006)	GP2 - Mid Range	MAC-Desktop	N/A**		
Q29 (Jan 2006)	SE1/SE2 - High End	MAC-Desktop	Apple PowerMac G5, 2.0 GHz	Jan 9, 2006	105.1%
Q29 (Jan 2006)	SE2 – Premium	MAC-Desktop	Apple PowerBook G5 Quad, 2.5 GHz	Jan 9, 2006	100%
Q29 (Jan 2006)	GP3 - Mid Range	MAC-Laptop	Apple PowerBook G4, 1.67 GHz	Jan 9, 2006	97.9%
Q29 (Jan 2006)	SE1 – Entry Level (ODIN Default)	UNIX-Desktop	HP XW6200 Workstation, 3.4 GHz	N/A	96.0%
Q29 (Jan 2006)	SE2 - Mid Range (ODIN Default)	UNIX-Desktop	HP XW6200Workstation, 3.6 GHz	N/A	100%
Q29 (Jan 2006)	SE3 - High End (ODIN Default)	UNIX-Desktop	HP XW6200Workstation-Dual 3.6 GHz	N/A	110%
Q29 (Jan 2006)	SE2 - Mid Range (SGI)	UNIX-Desktop	SGI Prism , 1.6 GHz	N/A	122%
Q29 (Jan 2006)	SE3 - High End (SGI)	UNIX-Desktop	SGI Prism Dual 1.65 GHz,	N/A	125%
Q30 (Jun 2006)	SE1 - Entry Level (Sun)	UNIX-Desktop	Sun Ultra 45, 1.6 GHz*	N/A	N/A
Q30 (Jun 2006)	SE2 - Mid Range (Sun)	UNIX-Desktop	Sun Ultra 45, 1.6 GHz*	N/A	N/A
Q30 (Jun 2006)	SE3 - High End (Sun)	UNIX-Desktop	Sun Ultra 45, 1.6 GHz*	N/A	N/A
Q29 (Jan 2006)	SE1 - Entry Level (HP)	UNIX-Desktop	HP C8000 Workstation, 900 MHz	N/A	52%
Q29 (Jan 2006)	SE2 - Mid Range (HP)	UNIX-Desktop	HP C8000 Workstation, 900 MHz,	N/A	65%
Q29 (Jan 2006)	SE3 - High End (HP)	UNIX-Desktop	HP C8000 Workstation, Dual 1.0 GHz	N/A	86%
Q30 (Apr 2006)	GP1 - Entry	PC-Desktop	HP DC7600, P4, 2.8 GHz	Apr 3, 2006	74%

**ATTACHMENT K – LISTING OF ACCEPTED SEAT CERTIFICATIONS (Con't)**

<b>Quarter</b>	<b>Seat</b>	<b>Platform</b>	<b>System Configuration</b>	<b>Date Certified</b>	<b>Rating</b>
Q30 (Apr 2006)	GP2 - Mid Range	PC-Desktop	HP DC7600, P4, 3.0 GHz	Apr 3, 2006	77.8%
Q30 (Apr 2006)	SE1/SE2 High End	PC-Desktop	HP DC7600, P4, 3.4 GHz	Apr 3, 2006	87.4%
Q30 (Apr 2006)	SE2 - Premium	PC-Desktop	HP XW6200, P4, 3.4 GHz	Apr 3, 2006	91.8%
Q30 (Apr 2006)	GP3 – Entry	PC-Laptop	HP NC6230, 1.73 GHz	Apr 3, 2006	78.3%
Q30 (Apr 2006)	GP3 - Mid Range	PC-Laptop	HP NC8230, 1.86 GHz	Apr 3, 2006	88.1%
Q30 (Apr 2006)	GP3 – High End	PC-Laptop	HP NC8230, 2.0 GHz	Apr 3, 2006	98.6%
Q30 (Apr 2006)	GP3 – Lightweight	PC-Laptop	HP NC4200, 1.86 GHz	Apr 3, 2006	88.4%
Q30 (Apr 2006)	GP3 – Tablet	PC-Laptop	HP TC4200, 2.0GHz*	Apr 3, 2006	86.5%
Q30 (Apr 2006)	GP2 - Mid Range	MAC-Desktop	Apple MacBook Pro, 1.83 GHz	Apr 3, 2006	100%
Q30 (Apr 2006)	SE1/SE2 - High End	MAC-Desktop	Apple PowerMac G5, 2.0 GHz	Apr 3, 2006	100%
Q30 (Apr 2006)	SE2 – Premium	MAC-Desktop	Apple PowerBook G5 Quad, 2.5 GHz	Apr 3, 2006	100%
Q30 (Apr 2006)	GP3 - Mid Range	MAC-Laptop	Apple MacBook Pro G4, 1.83 GHz	Apr 3, 2006	100%

## ODIN Attachment "R"

**Contractor:** NASA-SOMD  
**Quarter:** Q31-July 06  
**Platform:** UNIX Sun Entry Level  
**Alterion Performance Profile Ranking:**

**Prime:** OAO Corporation  
**Prime Contract Number:** NAS5-98144  
**System:** Sun Ultra 45  
**Date of Alterion Certification:**

### System Configuration

Item	Manufacturer	Model #	Revision or Date	Size & Speed
System Unit	SUN		Jan 04	Workstation, 1.6GHz
Motherboard	SUN			
CPU	SUN	Ultra Sparc-IIIi		1.6GHz
BIOS	N/A			
Hard Disk	Seagate	SATA		250GB 7200 RPM
HD Controller	SUN	Integrated		SATA
Floppy Drive	NEC			
Keyboard	SUN	USB		UNIX Type 5
Mouse	SUN			Optical 2 button
Standard Interface	SUN	2 Serial, 1 Parallel, 5 PCI , 6 USB, 2 IEEE 1394		
Power Supply	SUN			10-120; 220-240 VAC
Network Interface Card	SUN	Integrated		10/100/1000 Base T
Monitor	SUN	X7202A		19" Flat Panel
CD-ROM/DVD	SUN	Slim dual DVD-RW/CD-RW		Internal 48X IDE
Sound Card	SUN	Integrated		
Speakers	N/A	Internal		
Headset/Microphone	N/A			
USB Memory Key		USB		128mb
Microphone	SUN	Microphone II		
Video Card	SUN	XVR-2500 Graphics		24-bit

### Memory Module Configuration

Item	Manufacturer	Quantity	MB (Total)	Speed	Type
RAM	SUN	3	3.0GB	133Mhz	SDRAM
Cache	SUN	1	1.0MB		L2
Video RAM	SUN	1	256MB		SGRAM

## ODIN Attachment "R"

**Contractor:** NASA-SOMD

**Quarter:** Q31-July 06

**Platform:** UNIX Sun Mid Range

**Alterion Performance Profile Ranking:**

**Prime:** OAO Corporation

**Prime Contract Number:** NAS5-98144

**System:** Sun Ultra 45

**Date of Alterion Certification:**

### System Configuration

Item	Manufacturer	Model #	Revision or Date	Size & Speed
System Unit	SUN	A70-XHB2-9AF-2G-DT		Workstation, 1.6GHz
Motherboard	SUN			
CPU	SUN	Dual Ultra Sparc-IIIi		1.6GHz
BIOS	N/A			
Hard Disk	Seagate	SATA		250GB 7200 RPM
HD Controller	SUN	Integrated		SATA
Floppy Drive	NEC			
Keyboard	SUN	USB		UNIX Type 5
Mouse	SUN			Optical 2 button
Standard Interface	SUN	2 Serial, 1 Parallel, 5 PCI , 6 USB, 2 IEEE 1394		
Power Supply	SUN			10-120; 220-240 VAC
Network Interface Card	SUN	Integrated		10/100/1000 Base T
Monitor	SUN	X7202A		19" Flat Panel
CD-ROM/DVD	SUN	Slim dual DVD-RW/CD-RW		Internal 48X IDE
Sound Card	SUN	Integrated		
Speakers	N/A	Internal		
Headset/Microphone	N/A			
USB Memory Key		USB		128mb
Microphone	SUN	Microphone II		
Video Card	SUN	XVR-2500 Graphics		24-bit

### Memory Module Configuration

Item	Manufacturer	Quantity	MB (Total)	Speed	Type
RAM	SUN	2	4.0GB	133Mhz	SDRAM
Cache	SUN	1	1.0MB		L2
Video RAM	SUN	1	256MB		SGRAM

## ODIN Attachment "R

**Contractor:** NASA-SOMD

**Quarter:** Q31-July 06

**Platform:** UNIX Sun High End

**Alterion Performance Profile Ranking:**

**Prime:** OAO Corporation

**Prime Contract Number:** NAS5-98144

**System:** Sun Ultra 45

**Date of Alterion Certification:**

### System Configuration

Item	Manufacturer	Model #	Revision or Date	Size & Speed
System Unit	SUN	A70-XHB2-9AF-2G-DT	Jan 04	Workstation, 1.6GHz
Motherboard	SUN			
CPU	SUN	Dual Ultra Sparc-IIIi		1.6GHz
BIOS	N/A			
Hard Disk	Seagate	SATA		2 X 250GB 7200 RPM
HD Controller	SUN	Integrated		SATA
Floppy Drive	NEC			Internal 1.44 MB
Keyboard	SUN	USB		UNIX Type 5
Mouse	SUN			Optical 2 button
Standard Interface	SUN	2 Serial, 1 Parallel, 5 PCI , 6 USB, 2 IEEE 1394		
Power Supply	SUN			10-120; 220-240 VAC
Network Interface Card	SUN	Integrated		10/100/1000 Base T
Monitor	SUN	X7202A		19" Flat Panel
CD-ROM/DVD	SUN	Slim dual DVD-RW/CD-RW		Internal 48X IDE
Sound Card	SUN	Integrated		
Speakers	N/A	Internal		
Headset/Microphone	N/A			
USB Memory Key		USB		128mb
Microphone	SUN	Microphone II		
Video Card	SUN	XVR-2500 Graphics		24-bit

### Memory Module Configuration

Item	Manufacturer	Quantity	MB (Total)	Speed	Type
RAM	SUN	6	6.0GB	133Mhz	SDRAM
Cache	SUN	1	1.0MB		L2
Video RAM	SUN	1	256MB		SGRAM

ODIN Attachment "R